

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------------------------------------------------------------------|---------------------------------|------------------|---------|------------------|
| L1 | 1129 | 375/316.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:20 |
| L2 | 0 | 375/3320.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L3 | 78 | 375/320.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L4 | 637 | 375/324.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L5 | 484 | 375/329.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L6 | 324 | 375/332.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L7 | 1360 | 375/340.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L8 | 1048 | 375/341.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:21 |
| L12 | 5 | ("4742533" "4882733" "5321725" "5363408" "5654986").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/01 08:22 |
| L13 | 4 | ("6115435").URPN. | USPAT | OR | ON | 2005/09/01 08:23 |
| L14 | 6 | KANDALA.IN. AND SRINIVAS.IN. | USPAT | OR | ON | 2005/09/01 08:24 |
| L15 | 36 | KANDALA.IN. AND SRINIVAS.IN. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/01 08:24 |
| L16 | 21 | SOMAYAZULU.IN. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/01 08:25 |
| L17 | 1046 | PARK.IN. AND CHAN.IN. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/01 08:25 |
| L18 | 452 | PARK.IN. ADJ CHAN.IN. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2005/09/01 08:25 |
| S1 | 427 | 329/304.CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/09/01 08:20 |
| S2 | 159 | 329/304.CCLS. AND ("estimate" OR "calculate") | US-PGPUB; USPAT | OR | OFF | 2003/09/22 10:53 |
| S3 | 428 | 329/304.CCLS. | US-PGPUB; USPAT | OR | OFF | 2003/09/22 10:52 |
| S4 | 159 | 329/304.CCLS. AND ("estimate" OR "calculate") | US-PGPUB; USPAT | OR | OFF | 2003/09/22 10:53 |
| S5 | 269 | 329/304.CCLS. NOT (329/304. CCLS. AND ("estimate" OR "calculate")) | US-PGPUB; USPAT | OR | OFF | 2003/09/22 10:53 |

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| S6 | 13 | (329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi) | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:05 |
| S7 | 256 | (329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi)) | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:06 |
| S8 | 84 | ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi))) AND QAM | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:24 |
| S9 | 172 | ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi))) NOT (((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi))) AND QAM) | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:24 |
| S10 | 3 | ((((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi))) NOT (((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) NOT ((329/304.CCLS. NOT (329/304.CCLS. AND ("estimate" OR "calculate")))) AND (viterbi))) AND QAM)) AND "soft decision" | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:25 |
| S11 | 147 | ("329"/\$.CCLS. AND QAM) NOT 329/304.CCLS. | US-PGPUB; USPAT | OR | OFF | 2003/09/22 11:54 |
| S12 | 2947 | "375"/\$.CCLS. AND QAM | US-PGPUB; USPAT | OR | OFF | 2003/09/22 12:09 |
| S13 | 2812 | ("375"/\$.CCLS. AND QAM) NOT 329/304.CCLS. | US-PGPUB; USPAT | OR | OFF | 2003/09/22 12:10 |
| S14 | 259 | ((("375"/\$.CCLS. AND QAM) NOT 329/304.CCLS.) AND "soft decision" | US-PGPUB; USPAT | OR | OFF | 2003/09/23 10:10 |
| S15 | 260 | ((("375"/\$.CCLS. AND QAM) NOT 329/304.CCLS.) AND "soft decision" | US-PGPUB; USPAT | OR | OFF | 2003/09/23 10:11 |

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|-----|------|-----------------------------------------------------------------------------------------------|-----------------|----|-----|------------------|
| S16 | 21 | ((("375"/\$.CCLS. AND QAM) NOT 329/304.CCLS.) AND "soft decision") AND "log likelihood ratio" | US-PGPUB; USPAT | OR | OFF | 2003/09/23 10:11 |
| S18 | 1 | "6115435".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/20 17:31 |
| S19 | 1 | "20020054657" | US-PGPUB; USPAT | OR | ON | 2004/12/20 17:32 |
| S20 | 1 | "5907587".pn. | US-PGPUB; USPAT | OR | ON | 2005/08/09 14:41 |
| S21 | 10 | "soft decision" WITH range WITH "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:40 |
| S22 | 612 | "soft decision" WITH "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:47 |
| S23 | 13 | "soft decision" WITH "hard decision" WITH reliable | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:40 |
| S24 | 117 | "soft decision" WITH "hard decision" AND log | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:50 |
| S25 | 6 | "soft decision" WITH "hard decision" WITH log | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:43 |
| S26 | 1138 | "soft decision" AND "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:47 |
| S27 | 0 | "soft decision" WITH "hard decision" WITH choose | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:48 |
| S28 | 0 | "soft decision" WITH "hard decision" WITH limit | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:48 |
| S29 | 1 | "soft decision" WITH "hard decision" WITH assign | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:48 |
| S30 | 10 | "soft decision" WITH "hard decision" WITH range | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:48 |
| S31 | 113 | Max-Log-MAP | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:54 |
| S32 | 73 | (log ADJ2 ratio) AND threshold AND "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 08:00 |
| S33 | 5321 | (log ADJ2 ratio) WITH threshold WITH "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:55 |
| S34 | 5 | (log ADJ2 ratio) WITH threshold WITH "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 07:55 |
| S35 | 11 | ((log ADJ2 ratio) WITH threshold) AND "hard decision" | US-PGPUB; USPAT | OR | OFF | 2005/08/24 08:00 |
| S36 | 6 | S35 NOT S34 | US-PGPUB; USPAT | OR | OFF | 2005/08/24 08:00 |